

SYSTEM AND METHOD FOR DETERMINING TRAFFIC CONDITIONS**ABSTRACT**

The present invention provides a method and apparatus for determining traffic conditions using wireless devices. A number of signals from the vehicles traveling in selected routes are received by several wireless communication networks via the wireless devices. The total number of signals received are used to compare if there are sufficient number of vehicles traveling on the selected routes. If so, then the location information of the moving vehicles at various times is determined by the wireless communication network and forwarded to a central computer. The central computer coordinates with the wireless communications network for information needed to compute traffic data. The central computer computes the velocity of the moving vehicles and a traffic profile is created based on the velocity and location information of the moving vehicles. Furthermore, the traffic profile is sent to the moving vehicles.